

Function			
AC Voltage inputs			
Number of inputs	4		
Input voltage range	5 ... 1500 Vrms L - N (20 ... 2600 Vrms L - L)		
Basic accuracy	0.2% of reading		
Resolution	10 mV, 100 mV		
Sampling rate	1024 samples per 10 periods		
Frequency range	10 ... 70 Hz		
AC Current inputs			
Number of inputs	4		
Input voltage range	20.0 mVrms ... 2 Vrms		
Current measuring range	3 ... 6000 A (for current clamp A 1227)		
Resolution	0.1 mV (0.1 A for current clamp A 1227)		
Basic accuracy	0.25% of reading		
Sampling rate	1024 samples per 10 periods		
Function	Measuring range	Resolution	Accuracy
Frequency	10.00 ... 70.00 Hz	2 mHz	±10 mHz
Power (W, VA, VAR)	0.000 k ... 9.999 M	4 digits	±0.5 % of reading
Power factor	-1.00 ... 1.00	0.01	±0.02
cos φ	0.00 ... 1.00	0.01	±0.02
Harmonics analysis up 50 th component	$U_{hN} < 3\% U_{nom}$	10 mV	0.15 % U_{nom}
	$3\% U_{nom} < U_{hN} < 20\% U_{nom}$	10 mV	5 % U_{hN}
	$I_{hN} < 10\% I_N$	10 mV	0.15 % I_N
	$10\% I_N < I_{hN} < 100\% I_N$	10 mV	5 % I_{hN}
THD	$0\% U_{nom} < THD_U < 20\% U_{nom}$	0.1%	±0.3
	$0\% I_N < THD_I < 100\% I_N$	0.1%	±0.6
	$100\% I_N < THD_I < 200\% I_N$	0.1%	±1.5
Voltage dips and swells evaluation			
Magnitude	20 ... 1500 V	10 mV, 100 mV	0.5% of reading
Duration	30 ms ... 7 days	1 ms	±20 ms
Recording			
Integration period (IP)	1 ... 3600 s		
Maximum number of signals	509		
Communication ports	RS 232, USB		
Display	Graphic LCD with backlight, 320 x 200 dots		
Memory module	8 MB Flash		
Voltage supply	230 VAC or 6 x 1.2 V NiMH rechargeable batteries, size AA		
Over voltage category	1000 V / CAT III; 600 V / CAT IV		
Protection class	double insulation		
Dimensions	220 x 115 x 90 mm		
Weight	0.65 kg		